INSTRUCTIONS

-J05623 REV. 2012-06-29

SCREAMIN' EAGLE VARIABLE PRESSURE CLUTCH

GENERAL

Kit Number

37000121

Models

This kit is designed to fit 1999 and later Evolution 1340 and Twin Cam-equipped models with Original Equipment (OE) clutch (derby) cover (Except 2003 anniversary models).

Additional Parts Required

Proper installation of this kit requires the separate purchase of a new clutch cover seal. See the appropriate parts catalog for the part number.

If an accessory clutch cover is installed, it may not provide adequate clearance over the new clutch plate. A 1/4 in (6.2 mm) spacer kit (Part No. 37000123) is available for separate purchase.

⚠WARNING

The rider's safety depends upon the correct installation of this kit. Use the appropriate service manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, have a Harley-Davidson dealer perform the installation. Improper installation of this kit could result in death or serious injury. (00333a)

NOTE

This instruction sheet references service manual information. A service manual for your model motorcycle is required for this installation and is available from a Harley-Davidson dealer.

Kit Contents

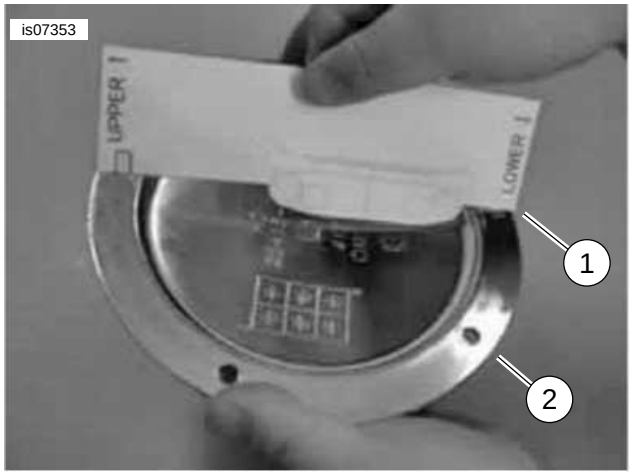
See Figure 7 and Table 1.

INSTALLATION

⚠WARNING

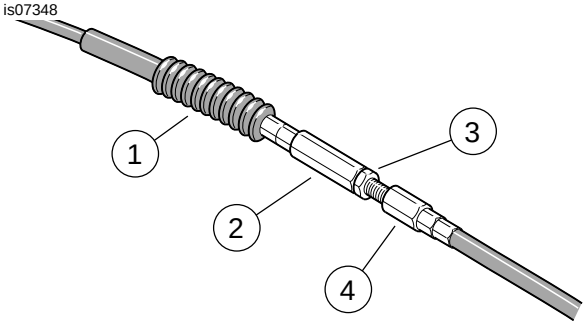
Block or jack vehicle under frame in a way that the vehicle will not fall over. Failure to properly block and/or raise the vehicle could result in death or serious injury. (00462c)

1. Position the motorcycle upright on a stand or jack.
2. See the service manual. Remove the clutch cover.
3. Use the template included in the kit to check the clearance of the clutch cover. If clearance is not adequate, purchase spacer kit (Kit Part No. 37000123) separately.
   a. Cut out the template included in this kit.
   b. See Figure 1. Align bolt-mark on template to the top bolt hole in the clutch (derby) cover and, then position the lower side of template between the bottom two holes in the cover.
   c. Verify that the variable pressure clutch has adequate running clearance. If it does not, separate purchase and installation of spacer kit (Kit Part No. 37000123) is required.
4. See the service manual and Figure 2. Add freeplay to the clutch cable until the adjuster is fully collapsed.
   a. Slide rubber boot (1) off cable adjuster.
   b. Hold cable adjuster (2) and loosen jamnut (3).
   c. Turn cable adjuster until the clutch adjuster is fully collapsed.



1. Template
2. Clutch cover

Figure 1. Check Clutch Cover Clearance



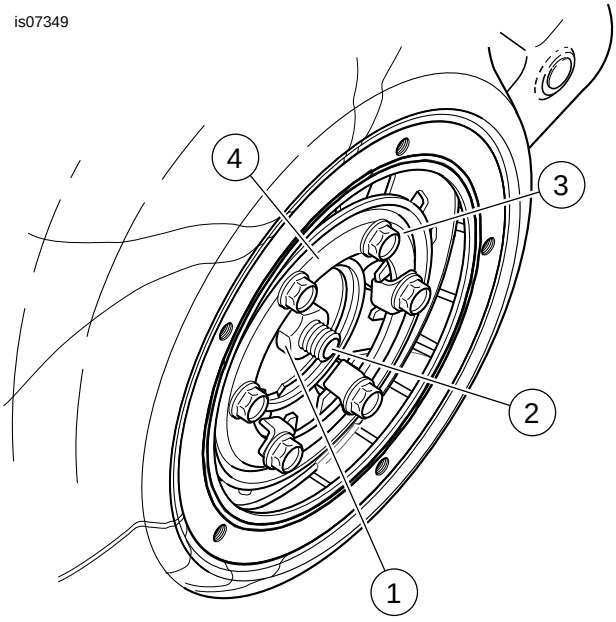
1. **Rubber boot**
2. **Cable adjuster**
3. **Jamnut**
4. **Cable end**

Figure 2. Clutch Cable Adjuster

NOTE

For 2004 and later Japanese models with helical gear transmissions, back out the adjusting screw at least 3/4 of a turn.

5. Adjust the clutch adjuster screw (2) with the stock retainer spring in place.
   a. Turn the screw in until it gently bottoms out.
   b. Turn the screw out 1/2 to 1 turn.
6. Loosen 6 screws (3) a little at a time and carefully remove the diaphragm spring retainer (4).



1. **Jamnut**
2. **Clutch adjuster screw**
3. **Screw (6)**
4. **Diaphragm spring retainer**

Figure 3. Clutch Adjuster Screw and Diaphragm Spring Retainer

7. See Figure 7. Bend the tabs of the base plate (2) slightly to match the angle of diaphragm spring.
8. See Figure 4. Starting with the widest tab on the baseplate, insert it inside the diaphragm spring. Check to make sure that it is fully seated.
9. See Figure 5. Starting with one of the bottom levers, install the variable pressure clutch.

Figure 4. Install Base Plate

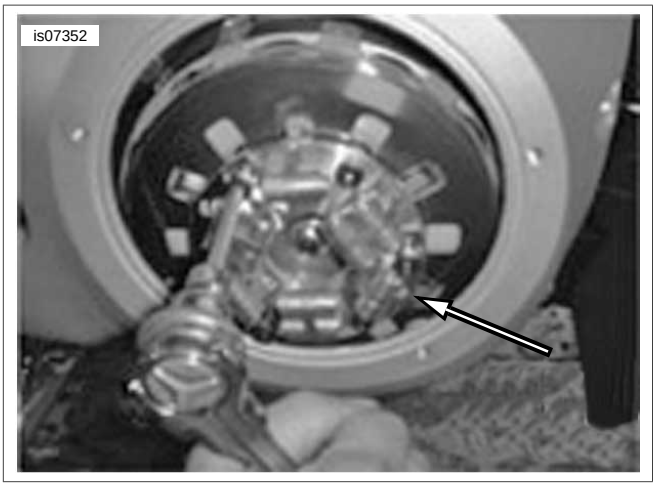


Figure 5. Install Variable Pressure Clutch

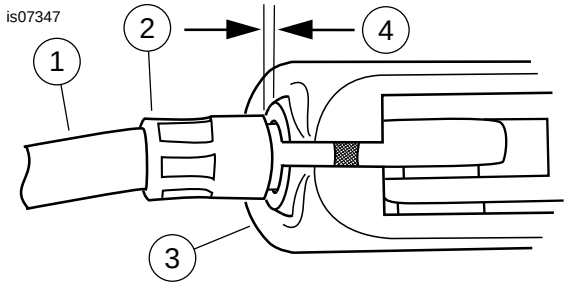
10. See Figure 5 and Figure 7. Secure the variable clutch.
    a. Start installing each of the bolts (3) and washers (4) included in the kit.
    b. Tighten each bolt to just snug.
    c. Check that the diaphragm spring is in the proper position.
    d. In an alternating pattern, tighten each bolt to 90-110 **in-lbs** (10.2-12.4 Nm).
11. See the service manual and Figure 6. Adjust the clutch cable (1) and allow at least 1/8 in (3.1 mm) of free play (4).

NOTES

If an accessory clutch cover is installed, it may not provide adequate clearance over the new clutch plate. A 1/4 in (6.2 mm) spacer kit (Part No. 37000123) is available for separate purchase.

If installing clutch cover seal (Part No. 25416-99C) it will be necessary to cut out the solid center of the seal in order to provide adequate clearance for the variable pressure clutch.

12. Install clutch cover, seal and screws. Alternately tighten screws to 84-108 **in-lbs** (9.5-12.2 Nm).



1. **Clutch cable**
2. **Cable ferrule**
3. **Clutch lever bracket**
4. **Free play: 1/8 in. (3.1 mm)**

Figure 6. Clutch Cable Free Play

SERVICE PARTS

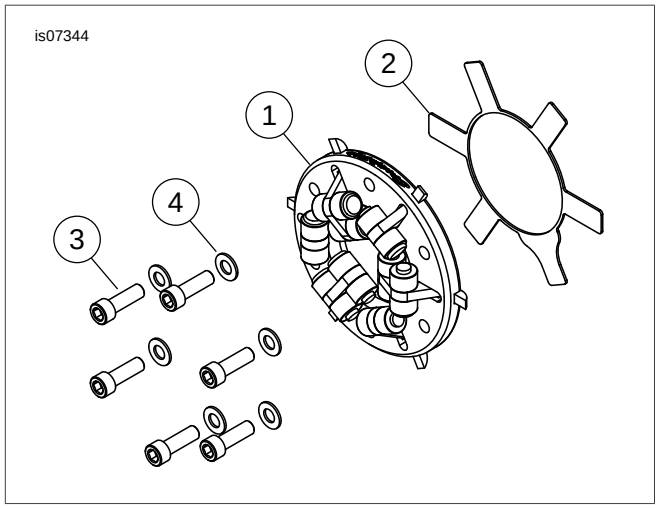


Figure 7. Service Parts: Variable Pressure Clutch

Table 1. Service Parts

Item	Description (Quantity)	Part Number
1	Clutch plate	Not Sold Separately
2	Wear ring, clutch	37000122
3	Bolt (6)	Not Sold Separately
4	Washer (6)	Not Sold Separately
5	Template (Not Shown)	Not Sold Separately